



# Health IT Education & Workforce Development

**Kalyani Ankem, Ph.D.- NKU**

**Dawn Jackson- ECU**

**Sean McPhillips- Ky REC**

**Carolyn O'Daniel- KCTCS**

**Chris Parrino- Tek Systems**

**Moderator- Dr. Gary Ozanich**

**Affordable Care Act**

**Meaningful Uses Stages 1-3**

**Payment Reform: Pay for Performance**

Accountable Care

Population Management

CMS Reimbursement Policies, Reporting  
Requirements

**Technology-Driven**

Efficiencies

M-Health, consumers & caregivers

# 2013 HIMSS Workforce Study: Providers (n=86)

Number of FTEs Added	Percentage of Responders
0	20%
1-5	54%
6-10	13%
11-20	5%
>20	10%

# 2013 HIMSS Workforce Study: Consultants & Vendors (n=58)

Number of FTEs Added	Percentage of Responders
0	9%
1-5	28%
6-10	28%
11-20	5%
>20	58%

## **Plan to hire a hire additional health IT workers in the next year:**

79% of Providers

96% of Vendors and Consultants

**Almost 50% of providers reported putting or considered putting a project on hold because it could not be staffed**

**43% of providers and 56% of vendors and consultants cited the lack of a qualified talent pool as their biggest challenge**

## Discussion

**Chris Parrino- Tek Systems**

**Sean McPhillips- Ky REC**

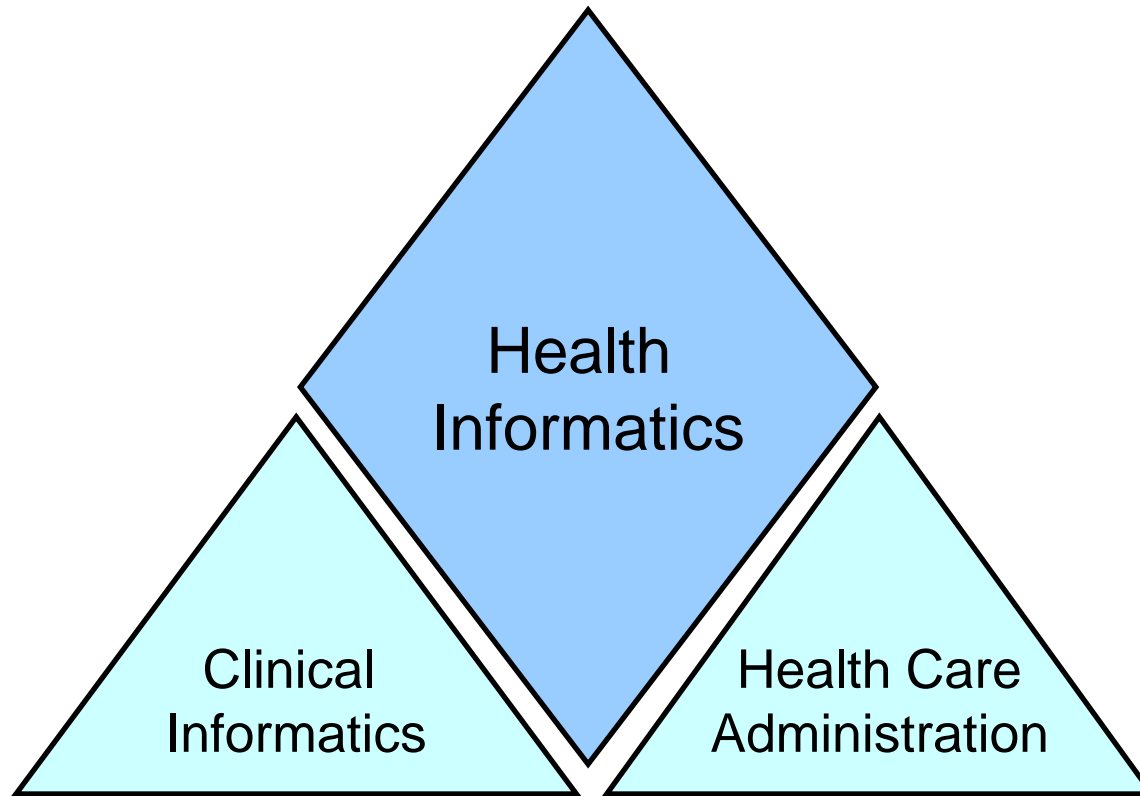
## Discussion

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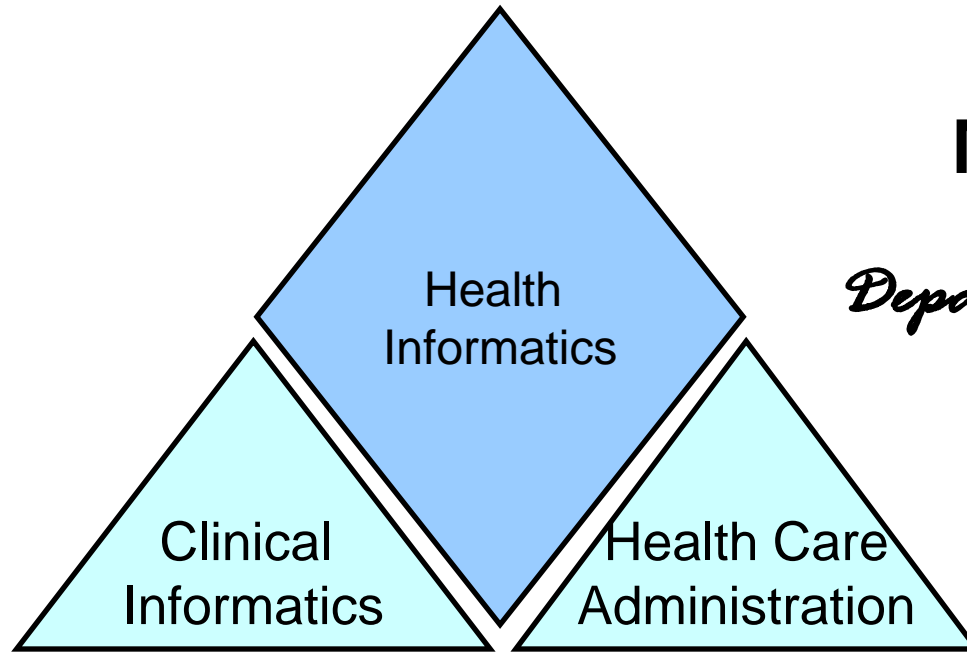
*Department of Business Informatics*

**The MHI Program at NKU, created in 2007, is a rigorous, 36-credit program designed to provide students with a well-rounded background in health information technologies and their management.**

- It is housed in the Department of Business Informatics in the College of Informatics, which offers students the opportunity to develop a solid background in information systems.
- In addition to healthcare focused courses, the 6-credit capstone provides students field-based experience on location within the healthcare industry.
- The certificate in health informatics is designed to provide students with working knowledge in healthcare.

- **The MHI Program offers hands-on learning in a state-of-the-art HIT lab equipped with clinical software and a telemedicine cart.**
- **Students learn how to use, design, and analyze applications and systems in healthcare.**

- **The MHI Program at NKU has been very successful since its creation in 2007.**
- **In the near future, it will be necessary to seek CAHIM accreditation. Planning for this is in the works.**
- **The Program is well positioned to accomplish its goals and meet the need for HIT-trained workforce in healthcare.**



**MHI is offered by the**

*Department of Business Informatics*

**COLLEGE OF INFORMATICS**  
COMPUTATION ■ INFORMATION ■ COMMUNICATION

For more information contact: **mhi@nku.edu** 859-572-6366

## **BS in Health Services Administration**

Option in Health Informatics

## **Leads to RHIA credential**

Registered Health Information Administrator

## **Only accredited baccalaureate program in KY**

In Health Informatics and Information Management

## **Clinical Knowledge Clusters**

Anatomy & Physiology

Medical Terminology

Pathophysiology (Disease Processes)

Pharmacology

3 Internships



## **Informatics/IT Knowledge Clusters**

Clinical vocabularies and terminologies

Database design and administration

Electronic health records

Personal health records

HIEs/RHIOs

Data dictionaries, Data mining, Data modeling, Data architectures

Data security

Systems Life Cycle

## **Examples: Recent Graduates** (Within Past 3 Years)

### Kentucky REC

- EHR Implementation Specialist

### KHIE

- Business Analyst
- Community Outreach
- MPI Specialist

### Johns Hopkins Hospital

- Database Administrator
- Case Mix Analyst

### Baptist Health (Corporate)

- Business Financial Analyst

### Cincinnati Children's Medical Center

- Data Integrity Specialist

## Questions